

Diversaclean™ NC

Optimized surfactant blend

Diversaclean NC is a readily biodegradable non-ionic/cationic blend of surfactants designed by Croda's Home Care experts intended for use in water-based surfactant systems, especially for grease cleaning formulations in I&I settings.

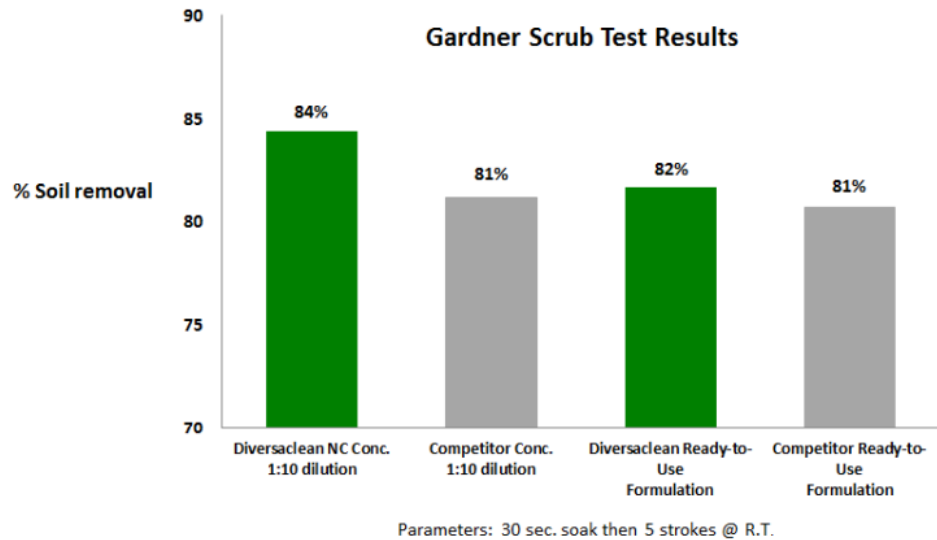


Figure 1: Diversaclean NC outperformed competitive products showing increased soil removal in both RTU and dilutable concentrate applications.

Applications

- Degreasers
- Neutral, acidic or alkaline hard surface cleaners
- Easy to formulate in either concentrates or Ready-To-Use formulations
- Can be used as a sole surfactant
- Readily biodegradable
- Fast wetting
- Low surface tension
- Excellent cleaning performance on greasy soils
- Produces high stable foaming formulations

Diversaclean NC Physical Properties

| Properties | Diversaclean NC |
|----------------------------------|--|
| Appearance @ RT ~23°C | clear yellow liquid |
| pH @ 1% | 6-7 |
| Viscosity, 25°C | 72 cP |
| Water Solubility @ 1% | complete |
| Wetting @ 1000 ppm (sec.) | 10 |
| Foaming @ 1000 ppm (mm) | initial 165 final 163 |
| Surface Tension @ 1000ppm (mN/m) | 27 |
| Recommended Formulations Types | acid, alkaline, neutral |
| Biodegradability | readily biodegradable (OECD Method 301B) |

How to use Diversaclean NC

Four formulas to get you started

| | Ready-To-Use HI-682 | Dilutable Concentrate HI-683 | Acidic HI-684 | Thickened HI-685 |
|-----------------------|------------------------|------------------------------------|------------------|---------------------|
| Ingredients | Wt.% | Wt.% | Wt.% | Wt.% |
| DI Water | 95.7 | 70.0 | 92.0 | 95.0 |
| Sodium bicarbonate | 1.0 | 4.0 | - | - |
| Sodium carbonate | 0.5 | 1.0 | - | - |
| CRODATERIC™ | 0.3 | 3.0 | - | - |
| LIDP | | | | |
| DIVERSACLEANNC | 2.0 | 20.0 | 2.0 | 2.0 |
| NATRASENSE™ | - | - | 1.0 | - |
| AG-810 | | | | |
| CRYSTASENSE™ | - | - | - | 3.0 |
| SAPPHIRE | | | | |
| NaOH | - | - | - | pH to 9 |
| Sodium Gluconate | 0.5 | 2.0 | - | - |
| Citric Acid | - | - | 5.0 | - |
| Suppliers: 1. Croda | | | | |

Appearance: All formulations are clear colorless liquids with pH 8-9 except acidic formulation where the pH is ~2.

Procedure: Ingredients are listed in order of addition, mix each until homogeneous.

Non-warranty

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